

ABSTRACT

An energy providing system for an electric vehicle is described. The system includes a rotor mounted on a generator. A rechargeable or replaceable battery provides electric energy to a starter motor which initiates rotation of the rotor. The rotor is coupled to a generator which supplies electric energy to a motor that powers the vehicle drive train. The system is attached to the interior of the vehicle body and is maintained in a substantially horizontal position even when the vehicle travels over uneven surfaces.